

# Imran Khan

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

622  
citations

567144

15  
h-index

610775

24  
g-index

33  
all docs

33  
docs citations

33  
times ranked

584  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A Hybrid Energy Harvesting Design for On-Body Internet-of-Things (IoT) Networks. <i>Sensors</i> , 2020, 20, 407.   | 2.1 | 61        |
| 2  | An Efficient Resource Allocation Algorithm for D2D Communications Based on NOMA. <i>IEEE Access</i> , 2019, 7, 120238-120247.  | 2.6 | 56        |
| 3  | Performance Evaluation of UAV-Enabled LoRa Networks for Disaster Management Applications. <i>Sensors</i> , 2020, 20, 2396.   | 2.1 | 48        |
| 4  | Simultaneous harvest-and-transmit ambient backscatter communications under Rayleigh fading. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2019, 2019, . | 1.5 | 39        |
| 5  | Robust Hybrid Beamforming Scheme for Millimeter-Wave Massive-MIMO 5G Wireless Networks. <i>Symmetry</i> , 2019, 11, 1424.  | 1.1 | 38        |
| 6  | Joint Power Allocation and Link Selection for Multi-Carrier Buffer Aided Relay Network. <i>Electronics (Switzerland)</i> , 2019, 8, 686.                                     | 1.8 | 37        |
| 7  | An Internet of Things Based Bed-Egress Alerting Paradigm Using Wearable Sensors in Elderly Care Environment. <i>Sensors</i> , 2019, 19, 2498.                                | 2.1 | 36        |
| 8  | An Efficient Precoding Scheme for Millimeter-Wave Massive MIMO Systems. <i>Electronics (Switzerland)</i> , 2019, 8, 927.   | 1.8 | 24        |
| 9  | An Efficient Resource Allocation Algorithm for OFDM-Based NOMA in 5G Systems. <i>Electronics (Switzerland)</i> , 2019, 8, 1399.  | 1.8 | 22        |
| 10 | Power Allocation and User Assignment Scheme for beyond 5G Heterogeneous Networks. <i>Wireless Communications and Mobile Computing</i> , 2019, 2019, 1-11.                    | 0.8 | 22        |
| 11 | Efficient Modulation Scheme for Intermediate Relay-Aided IoT Networks. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2126.   | 1.3 | 19        |
| 12 | Smart Handoff Technique for Internet of Vehicles Communication using Dynamic Edge-Backup Node. <i>Electronics (Switzerland)</i> , 2020, 9, 524.                              | 1.8 | 19        |
| 13 | Low-Complexity Channel Estimation in 5G Massive MIMO-OFDM Systems. <i>Symmetry</i> , 2019, 11, 713.  | 1.1 | 18        |
| 14 | An Easy Network Onboarding Scheme for Internet of Things Networks. <i>IEEE Access</i> , 2019, 7, 8763-8772.  | 2.6 | 18        |
| 15 | Interference Analysis for Vehicle-to-Vehicle Communications at 28 GHz. <i>Electronics (Switzerland)</i> , 2020, 9, 262.  | 1.8 | 16        |
| 16 | An Efficient Neighbor Discovery Scheme for Mobile WSN. <i>IEEE Access</i> , 2019, 7, 4843-4855.  | 2.6 | 15        |
| 17 | Efficient Power Control Framework for Small-Cell Heterogeneous Networks. <i>Sensors</i> , 2020, 20, 1467.  | 2.1 | 15        |
| 18 | Computationally Efficient Channel Estimation in 5G Massive Multiple-Input Multiple-output Systems. <i>Electronics (Switzerland)</i> , 2018, 7, 382.                          | 1.8 | 14        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | A Robust Channel Estimation Scheme for 5G Massive MIMO Systems. <i>Wireless Communications and Mobile Computing</i> , 2019, 2019, 1-8.  | 0.8 | 14        |
| 20 | An optimized algorithm for optimal power flow based on deep learning. <i>Energy Reports</i> , 2021, 7, 2113-2124.   | 2.5 | 11        |
| 21 | Comparative Analysis of Data Detection Techniques for 5G Massive MIMO Systems. <i>Sustainability</i> , 2020, 12, 9281.  | 1.6 | 10        |
| 22 | Cellular-D2D Resource Allocation Algorithm Based on User Fairness. <i>Electronics (Switzerland)</i> , 2020, 9, 386.   | 1.8 | 10        |
| 23 | Experimental Investigation of a Planar Antenna with Band Rejection Features for Ultra-Wide Band (UWB) Wireless Networks. <i>International Journal of Antennas and Propagation</i> , 2019, 2019, 1-11. | 0.7 | 9         |
| 24 | Bat algorithm-based beamforming for mmWave massive MIMO systems. <i>International Journal of Communication Systems</i> , 2020, 33, e4182.   | 1.6 | 9         |
| 25 | An Efficient Resource Allocation Algorithm for Device-To-Device Communications. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3816.  | 1.3 | 8         |
| 26 | An Efficient Precoding Algorithm for mmWave Massive MIMO Systems. <i>Symmetry</i> , 2019, 11, 1099.   | 1.1 | 8         |
| 27 | A Robust Decentralized Power Flow Optimization for Dynamic PV System. <i>IEEE Access</i> , 2019, 7, 63789-63800.  | 2.6 | 7         |
| 28 | A Joint Approach for Low-Complexity Channel Estimation in 5G Massive MIMO Systems. <i>Electronics (Switzerland)</i> , 2018, 7, 218.   | 1.8 | 6         |
| 29 | Machine Learning Techniques for Wireless-Powered Ambient Backscatter Communications: Enabling Intelligent IoT Networks in 6G Era. <i>Internet of Things</i> , 2020, , 187-211.                        | 1.3 | 6         |
| 30 | An Efficient Algorithm for mmWave MIMO Systems. <i>Symmetry</i> , 2019, 11, 786.  | 1.1 | 4         |
| 31 | An efficient algorithm for data parallelism based on stochastic optimization. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 12005-12017.  | 3.4 | 3         |
| 32 | TRNSYS Modeling and Simulation of a Solar-Fuel Hybrid Thermal Power Plant based on a Central Receiver System. <i>International Journal of Engineering Works</i> , 2021, 8, 139-142.                   | 0.1 | 0         |
| 33 | Hierarchical Optimization and Grid Scheduling Model for Energy Internet: A Genetic Algorithm-Based Layered Approach. <i>Frontiers in Energy Research</i> , 0, 10, .                                   | 1.2 | 0         |